

**Table S1** Powdery mildew rating scale according to the guidelines of the German Seed Board (Bundessortenamt 2000)

([http://www.bundessortenamt.de/internet30/fileadmin/Files/PDF/Richtlinie\\_LW2000.pdf](http://www.bundessortenamt.de/internet30/fileadmin/Files/PDF/Richtlinie_LW2000.pdf); Chapter 2.7.4)

Disease score	Leaf area coverage %	Infection type
1	0	No disease
2	> 0 - 2	Very low to low
3	> 2 - 5	Low
4	> 5 - 8	Low to intermediate
5	> 8 - 14	Intermediate
6	> 14 - 22	Intermediate to high
7	> 22 - 37	High
8	> 37 - 61	High to very high
9	> 61 - 100	Very high

Table adopted from Mohler *et al.* 2013.